PERGAMON Computers and Mathematics with Applications 37 (1999) 137–138

An International Journal
computers & mathematics
with applications

Errata to "Mathematical Modeling and Computer Simulation of Transient Flow in Centrifuge Cascade Pipe Network with Optimizing Techniques"

Computers and Mathematics with Applications, Vol. 36, No. 4, pp. 63–76, 1998

M. M. NAZEER
Dr. A. Q. Khan Research Laboratories, Kahuta
P.O. Box 502, Rawalpindi, Pakistan

(Received and accepted December 1998)

1. First author's name to be read as "M. M. Nazeer" in place of "M. N. Malik".
2. Page 66, line 3, the correct equation is

$$\frac{dP}{dt} + \frac{RT}{V + \Sigma A \Delta x} (\Sigma m_{\text{out}} - \Sigma m_{\text{in}}) = 0.$$

3. Page 66, line 5, equation (5), the correct form is

$$\frac{dP}{dt} + \frac{RT}{V + \Sigma A \Delta x} (\Sigma m) = 0.$$

4. Page 66, line 11 from bottom, equation (6), the correct form is

$$\frac{dP_{\text{av}}}{dt} + \frac{RT}{V_r} (\Sigma m) = 0.$$

5. Page 70, line 6 from bottom, read

"the set of pipe equations represented by matrix equation (18) is solved"

for

"the set of pipe equations (5) is solved".

6. Page 73, line 4, read

$$\text{if } \Delta U \text{ is } +ve, \qquad U_n = U * \text{sign}(X_n)$$

PII: S0898-1221(99)00094-2

for

$$\text{if } \Delta U \text{ is } +ve U_n = U * \text{sign}(X_n).$$

7. Page 73, line 5, read

$$\text{if } \Delta U \text{ is } -ve, \qquad U_n = U_{n-1} - \Delta U * \text{sign}(X_n)$$

for

$$\text{if } \Delta U \text{ is } -ve U_n = U_{n-1} - \Delta U * \text{sign}(X_n).$$

8. Page 73, line 13 from bottom, read

$$\frac{d}{dP_{j,n}} (\sum m_n) \qquad \text{for} \qquad (d(\sum m_n))/dP_{j,n}.$$